

Table 30
Building 30 Indoor Air Sampling Results - January 2017

Parameter	May 2016 USEPA Industrial Indoor Air Screening Level	B30IA-1	B30IA-2	B30IA-3	B30IA-4	B30IA-4 DUP	B30IA-5	B1830AA
		1/21/2017	1/21/2017	1/21/2017	1/21/2017	1/21/2017	1/21/2017	1/21/2017
<i>Building 5 COCs (ug/m³)</i>								
Acetone	140000	23	27	19	42	43	27	22
Benzene	1.6	0.54	0.62	0.48 J	0.46 J	0.43 J	0.68	0.6
Ethylbenzene	4.9	0.27 J	0.22 J	0.37 J	0.23 J	0.27 J	0.78	0.22 J
Methanol	88000	<100	<110	<120	<100	<110	<110	<110
Methyl Isobutyl Ketone (MIBK)	13000	0.22 J	0.45 J	0.48 J	0.52 J	0.58 J	0.43 J	0.3 J
Toluene	22000	1.9	2.4	2.5	2.2	2.2	3.4	1.6
Xylene (total)	440	0.97 J	0.79 J	1.3 J	1.0 J	0.85 J	5.2	0.86 J
<i>Other TO-15 Compounds (ug/m³)</i>								
1,1,1-Trichloroethane	22000	<0.88	<0.89	<1	<0.88	<0.92	<0.89	<0.89
1,1,2,2-Tetrachloroethane	0.21	0.33 J	<1.1	0.24 J	<1.1	<1.2	<1.1	<1.1
1,1,2-Trichloroethane	0.77	<0.88	<0.89	<1	<0.88	<0.92	<0.89	<0.89
1,1-Dichloroethane	7.7	<0.65	<0.66	<0.77	<0.65	<0.68	<0.66	<0.66
1,1-Dichloroethylene	880	<0.64	<0.65	<0.76	<0.64	<0.67	<0.65	<0.65
1,2,4-Trichlorobenzene	8.8	0.7 J	<6.1	0.58 J	0.3 J	<6.2	<6.1	<6.1
1,2,4-Trimethylbenzene	31	0.28 J	0.18 J	0.22 J	0.48 J	0.2 J	32	0.55 J
1,2-Dibromoethane	0.02	<1.2	<1.3	<1.5	<1.2	<1.3	<1.3	<1.3
1,2-Dichlorobenzene	880	<0.97	<0.99	<1.1	<0.97	<1	<0.99	<0.99
1,2-Dichloroethane	0.47	<0.65	1.8	<0.77 J	0.34 J	0.39 J	0.3 J	<0.66 J
1,2-Dichloropropane	1.2	<0.74	<0.76	<0.88	<0.74	<0.78	<0.76	<0.76
1,2-Dichlorotetrafluoroethane	---	<1.1	<1.1	<1.3	<1.1	<1.2	<1.1	<1.1
1,3,5-Trimethylbenzene	---	<0.79	<0.81	<0.94	0.16 J	<0.82	8.1	0.32 J
1,3-Butadiene	0.41	<0.36	<0.36	<0.42	<0.36	<0.37	<0.36	<0.36
1,3-Dichlorobenzene	---	0.28 J	<0.99	<1.1	<0.97	<1	<0.99	<0.99
1,4-Dichlorobenzene	1.1	0.36 J	0.28 J	0.4 J	0.34 J	0.28 J	0.37 J	0.2 J
1,4-Dioxane	2.5	0.24 J	<0.59	0.25 J	<0.58	<0.6	0.24 J	<0.59
2,2,4-Trimethylpentane	---	<3.8	<3.8	<4.5	<3.8	<3.9	<3.8	<3.8
2-Butanone (MEK)	22000	2.9	3.9	4.6	9.7	9	3.1	3
2-Hexanone	130	<3.3	0.52 J	<3.9	1 J	1.1 J	<3.4	0.8 J
4-Ethyltoluene	---	0.25 J	<0.81	<0.94	0.26 J	0.18 J	20	0.6 J
Allyl Chloride	2	<2.5	<2.6	<3	<2.5	<2.6	<2.6	<2.6
Benzyl Chloride	0.25	0.37 J	<0.85	0.3 J	<0.83	<0.87	<0.85	<0.85
Bromodichloromethane	0.33	<1.1	<1.1	<1.3	<1.1	<1.1	<1.1	<1.1
Bromoform	11	<1.7	<1.7	<2	<1.7	<1.7	<1.7	<1.7
Carbon Disulfide	3100	<2.5	<2.6	<3	0.27 J	0.69 J	0.28 J	2.9
Carbon Tetrachloride	2	0.52 J	0.41 J	0.34 J	0.45 J	0.4 J	0.4 J	1.1 J
Chlorobenzene	220	<0.74	<0.76	<0.88	<0.74	<0.77	<0.76	<0.76
Chloroethane	44000	<2.1	<2.2	<2.5	<2.1	<2.2	<2.2	<2.2
Chloroform	0.53	0.18 J	<0.8	<0.93	0.17 J	0.18 J	0.18 J	<0.8
Chloromethane	390	2.2	1.7	2.1	2	2	2.4	2.4
cis-1,2-Dichloroethylene	---	<0.64	<0.65	<0.76	<0.64	<0.67	<0.65	<0.65
cis-1,3-Dichloropropene	---	<0.73	<0.74	<0.87	<0.73	<0.76	<0.74	<0.74
Cyclohexane	26000	0.14 J	0.15 J	<0.66	0.11 J	0.13 J	0.1 J	<0.56
Dibromochloromethane	---	<1.4	<1.4	<1.6	<1.4	<1.4	<1.4	<1.4
Dichlorodifluoromethane	440	2.7	2.4	2.7	2.7	2.8	2.4	2.9
Ethanol	---	14	27	35	49	90	80	3.6
Freon 113	130000	0.68 J	0.53 J	0.58 J	0.66 J	0.62 J	0.63 J	0.67 J
Heptane	---	0.4 J	0.26 J	0.2 J	0.38 J	0.54 J	<0.67	0.63 J
Hexachlorobutadiene	0.56	<8.6	<8.7	<10	<8.6	<9	<8.7	<8.7
Isopropyl Alcohol	880	41	36	60	58	58	40	4.9
Isopropylbenzene	1800	<0.79	<0.81	<0.94	<0.79	<0.82	0.45 J	<0.81
Methyl Bromide	22	<3.1	<3.2	<3.7	<3.1	<3.3	<3.2	<3.2
Methyl Tert Butyl Ether	47	<0.58	<0.59	<0.69	<0.58	<0.6	<0.59	<0.59
Methylene Chloride	1200	<1.1	<1.1	<1.3	<1.1	<1.2	<1.1	0.6 J
Naphthalene (TO-15)	0.36	0.19 J	<4.3	0.22 J	0.31 J	0.12 J	3.4 J	2.7 J
Naphthalene (TO-17)	0.36	0.12	<0.028	0.084	0.12	0.13	0.15	0.08

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<i>Building 5 COCs (ug/m³)</i>								
n-Hexane	3100	0.52 J	0.29 J	0.29 J	0.32 J	0.26 J	0.24 J	0.55 J
n-Propylbenzene	4400	<0.79	<0.81	<0.94	<0.79	<0.82	1.8	<0.81
Styrene	4400	0.32 J	0.39 J	0.43 J	0.38 J	0.36 J	0.78	0.16 J
Tetrachloroethylene	47	<1.1	<1.1	<1.3	<1.1	<1.1	<1.1	<1.1
Tetrahydrofuran	8800	<2.4	<2.4	<2.8	<2.4	<2.5	<2.4	<2.4
trans-1,2-Dichloroethylene	---	<0.64	<0.65	<0.76	<0.64	<0.67	<0.65	<0.65
trans-1,3-Dichloropropene	---	<0.73	<0.74	<0.87	<0.73	<0.76	<0.74	<0.74
Trichloroethylene	3	<0.86	<0.88	<1	<0.86	<0.9	<0.88	<0.88
Trichlorofluoromethane	---	1.7	1.9	1.6	1.8	2.2	2.2	2.2
Vinyl Chloride	2.8	<0.41	<0.42	<0.49	<0.41	<0.43	<0.42	<0.42
<i>Methane (%)</i>								
Methane	0.5	0.0011	0.00044	0.00071	0.00056	0.00054	0.0004	0.00018

Notes:

Detected results are shown in bold. Values which exceed the screening level are highlighted yellow.

--- The USEPA has not developed a vapor intrusion screening level for this parameter.

J: Indicates an estimated value.